

ATTACHMENT 8 - MSDS (BERNZ-O-MATIC): BUTANE

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

Identity (As Used on Label and List)**BUTANE**

*Note: Blank spaces are not permitted. If any item is not applicable,
or no information is available, the space must be marked to
indicate that.*

SECTION 1**Supplier's Name****Bernz-O-matic****Emergency Telephone Number****585-798-4949****Address***Number, Street, City, State and ZIP Code***One BernzOmatic Drive
Medina, NY 14103****Telephone Number for Information****585-798-4949****Date Prepared****November 10, 2005****Signature of Preparer (Optional)****SECTION II - Hazardous Ingredients / Identity Information****Hazardous Components***Specific Chemical Identity, Common Name(s)***Butane C₄H₁₀****OSHA PEL****ACGIH TLV****Other Limits
Recommended****% (optional)****800 ppm****NFPA HAZARD RATINGS****Health
Flammability
Reactivity****HMIS RATINGS****Health
Flammability
Reactivity****Notes:****SECTION III - Physical / Chemical Characteristics****Boiling Point****11°F****Specific Gravity (H₂O - 1)****.58****Vapor Pressure (mm Hg)****31 PSIG @70°F****Melting Point****N/A****Vapor Density (AIR=1)****2.0****Evaporation Rate****Butyl Acetate -1)****N/A****Solubility in Water****Negligible****Appearance and Odor****Colorless – Rotten Egg (Sulfur) Odor****SECTION IV - Fire and Explosion Hazard Data****Flash Point (Method Used)****-101°F****Flammable Limits****LEL****1.8****UEL****8.4****Extinguishing Media****CO₂, Foam, Class "B" or "C" Extinguishers****Special Fire Fighting Procedures****Use Water to Cool Tanks****Unusual Fire and Explosion Hazards****Heavier than air (Vapor density 2.0). May travel a considerable
distance to an ignition source and flash back.**

SECTION V - Reactivity Data				
Stability → Unstable Stable X		Conditions to Avoid		
Incompatibility (Materials to Avoid) N/A				
Hazardous Decomposition or Byproducts N/A				
Hazardous Polymerization → May Occur Will Not Occur X		Conditions to Avoid		
SECTION VI - Health Hazard Data				
Routes of Entry →	Inhalation? YES	Skin? YES	Ingestion? NO	
Health Hazards (Acute and Chronic) Burning the fuel may cause Carbon Monoxide (CO)				
Carcinogenicity →	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? N/A	
Signs and Symptoms of Exposure Simple asphyxiant. Exposure to liquid may cause frost burn.				
Medical Conditions Generally Aggravated by Exposure N/A				
Emergency and First Aid Procedures Remove person to fresh air.				
Warning This fuel, and byproducts of combustion of this fuel, contain chemicals known to the State of California to cause cancer, birth defects, and other reproductive harm.				
SECTION VII - Precautions for Safe Handling and Use				
Steps to be Taken in Case Material is Released or Spilled Remove ignition sources and ventilate area.				
Waste Disposal Method				
Precautions to be Taken in Handling and Storing Store out of direct sunlight at temperatures below 120°F.				
Other Precautions None				
SECTION VIII - Control Measures				
Respiratory Protection (Specify Type) Not required with normal use.				
Ventilation	Local Exhaust N/A	Mechanical (General) N/A	Special N/A	Other N/A
Protective Gloves Not required		Eye Protection Safety glasses recommended		
Other Protective Clothing or Equipment Not required				
Work / Hygienic Practices N/A				
SECTION IX - Shipping Information				
WHMIS Classification: A-Compressed Gas & B1-Flammable Gas		Class: 2.1		
DOT	Proper Shipping Name Butane	Hazard Classification Flammable Gas	UN. No. 1011	